CLAIMS

1. A paramyxoviral vector encoding a polypeptide that comprises an antibody variable region.

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- 2. The viral vector of claim 1, wherein the paramyxovirus is a Sendai virus.
- The viral vector of claim 1, wherein the polypeptide is a secretory
 type.
 - 4. The paramyxoviral vector of claim 1, wherein the vector encodes a polypeptide comprising an antibody H chain variable region, and a polypeptide comprising an antibody L chain variable region.

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5. The viral vector of claim 4, wherein the polypeptide comprising an antibody H chain variable region and the polypeptide comprising an antibody L chain variable region are linked to each other to form a Fab.

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- 6. The viral vector of claim 5, wherein at least one of the antibody variable regions is derived from an antibody against a ligand or a receptor.
- 7. The viral vector of claim 6, wherein the antibody binds to a protein that inhibits the survival or differentiation of neurons or axonal outgrowth.
- 8. The viral vector of claim 7, wherein the antibody is an antibody 30 against a NOGO.
 - 9. The viral vector of claim 6, wherein the antibody is an antibody against a receptor associated with immune signal transduction, or a ligand thereof.

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10. The vector of claim 9, wherein the antibody is an antibody against

a receptor expressed on the surface of a T cell or antigen-presenting cell, or a ligand thereof.

- 11. The vector of claim 10, wherein the receptor or ligand thereof is a signal transduction molecule of a costimulatory signal of a T cell or antigen-presenting cell.
- 12. The vector of claim 11, wherein the signal transduction molecule is a molecule selected from the group consisting of CD28, CD80, CD86,10 LFA-1, ICAM-1 (CD54), PD-1, and ICOS.
 - 13. The vector of claim 9, wherein the vector further encodes another foreign gene.
- 14. A method for manufacturing a recombinant polypeptide comprising an antibody variable region, wherein the method comprises the steps of:
 - (a) transducing the viral vector of claim 1 to a mammalian cell; and
 - (b) recovering a produced polypeptide from the mammalian cell
- 20 transduced with the vector, or the culture supernatant thereof.
 - 15. A polypeptide produced by the method of claim 14.
- 16. A method for promoting nerve formation, wherein the method comprises the step of delivering the vector of claim 7 to a site in which the nerve formation is required.
- 17. A method for treating a spinal cord lesion, wherein the method comprises the step of delivering the vector of claim 7 to the lesion site.
 - 18. A method for suppressing an immune reaction, wherein the method comprises the step of administering the vector of claim 9.
- 35 19. The method of claim 18, wherein the method further comprises the step of administering an antibody against a receptor associated with

immune signal transduction, or a ligand thereof, or CTLA-4 or a fragment thereof.

- 20. A method for increasing the expression of a gene from a vector by prolonging gene expression from the vector, and/or by the repeated administration of the vector, wherein the method comprises the step of administering the vector of claim 9.
- 21. The method of claim 20, wherein the method further comprises the step of administering an antibody against a receptor associated with immune signal transduction, or a ligand thereof, or CTLA-4 or a fragment thereof.
- 22. A composition of a vector with elevated durability of expression,
 comprising the vector of claim 9 and a pharmaceutically acceptable carrier.
- 23. A gene transduction kit, comprising (a) the vector of claim 9 and (b) an antibody against a receptor associated with immune signal transduction, or a ligand thereof, or CTLA-4 or a fragment thereof.